



Docket No. 70651/7293

2633
FW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Clark, et al.
Application No.: 09/864,093
Filed: May 21, 2001
For: FREE-SPACE OPTICAL
COMMUNICATION SYSTEM
EMPLOYING WAVELENGTH
CONVERSION
Group Art Unit: 2633
Examiner: Hanh Phan

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on this date:

July 19, 2005

Date

Kurt M. Eaton
Registration No. 51,640
Patent Agent for Applicants

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is submitted:

_____ under 37 CFR §1.97(b) (within three months of the filing date of a national application or date of entry of an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last).

X under 37 CFR §1.97(c) together with either:
_____ a statement under 37 CFR §1.97(e), or
 X a \$180 fee under 37 CFR §1.17(p)
(after the 37 CFR §1.97(b) time period, but before the mailing date of a final Action, a Notice of Allowance, or an action that otherwise closes prosecution).

07/21/2005 RFEKADU1 00000003 061135

01 FC:1806

180.00 DA

421710_1

07/21/2005 RFEKADU1 00000003 09864093

01 FC:1806 180.00 DA


_____ under 37 CFR §1.97(d) together with:
_____ a statement under 37 CFR §1.97(e), and
_____ a \$180 fee under 37 CFR §1.17(p)
(after the 37 CFR §1.97(c) time period, but on or before payment of
the issue fee).

In accordance with the duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent Office of all patents, publications, applications and other information known by Applicants or Applicants' representative that may be material to the examination of the subject application, Applicants' representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 CFR §§ 1.97-1.98 and includes Form PTO-1449 with eighty-eight (88) references listed as items AA-DJ.

It is requested that the information provided herein be made of record in this application.

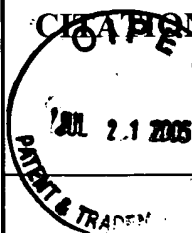
Respectfully submitted,

Dated: July 19, 2005



Kurt M. Eaton
Patent Agent for Applicants
Reg. No. 51,640
(858) 552-1311

Address all Correspondence to:
FITCH, EVEN, TABIN & FLANNERY
120 So. LaSalle Street
Suite 1600
Chicago, IL 60603
(858) 552-1311

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION 	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 1 of 6	Attorney Docket No.	70651/7293

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(a)(2)(ii)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE (MM-DD-YYYY)
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AA	x	4330870		Arends	05-18-1982			
	AB	x	4807222		Amitay	02-21-1989			
	AC	x	4904993		Sato	02-27-1990			
	AD	x	4916460		Powell	04-10-1990			
	AE	x	5034997		Iwasaki	07-23-1991			
	AF	x	5227906		Tokumitsu	07-13-1993			
	AG	x	5280184		Jokerst, et al.	01-18-1994			
	AH	x	5321718		Waarts, et al.	06-14-1994			
	AI	x	5329576		Handforth	07-12-1994			
	AJ	x	5416861		Koh, et al.	05-16-1995			
	AK	x	5548772		Lin, et al.	08-20-1996			
	AL	x	5585953		Zavrel	12-17-1996			
	AM	x	5710652		Bloom et al.	10-20-1998			
	AN	x	5786923		Doucet et al.	07-28-1998			
	AO	x	5790286		Bae	08-04-1998			
	AP	x	5818984		Ahmad, et al.	10-06-1998			
	AQ	x	5883730		Coult, et al.	03-16-1999			
	AR	x	5936578		Driessen et al.	08-10-1999			
	AS	x	5949564		Wake	09-07-1999			
	AT	x	6016212		Durant et al.	01-18-2000			
	AU	x	6043918		Bozzay et al.	03-28-2000			

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 2 of 6	Attorney Docket No.	70651/7293

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(a)(2)(ii)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE (MM-DD-YYYY)
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AV	x	6104513		Bloom	08-15-2000			
	AW	x	6115157		Barnard, et al.	09-05-2000			
	AX	x	6141128		Korevaar, et al.	10-31-2000			
	AY	x	6268944		Szapiel	07-31-2001			
	AZ	x	6272271		Wojnarowski, et al.	08-07-2001			
	BA	x	6285481		Palmer	09-04-2001			
	BB	x	6288813		Kirkpatrick, et al.	09-11-2001			
	BC	x	6301037		Fischer, et al.	10-09-2001			
	BD	x	6323980		Bloom	11-27-2001			
	BE	x	6348986		Doucet, et al.	02-19-2002			
	BF	x	6381055		Javitt, et al.	04-30-2002			
	BG	x	6398425		Williams, et al.	06-04-2002			
	BH	x	6411414		Abate, et al.	06-25-2002			
	BI	x	6452700		Mays, Jr.	09-17-2002			
	BJ	x	6462847		Willebrand	10-08-2002			
	BK	x	6493121		Althaus	12-10-2002			
	BL	x	6509992		Goodwill	01-21-2003			
	BM	x	6583904		Mahlab, et al.	06-24-2003			
	BN	x	RE35736		Powell	02-24-1998			
	BO	x	2002/0005972		Bloom, et al.	01-17-2002			

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 3 of 6		Attorney Docket No. 70651/7293

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(a)(2)(ii)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE (MM-DD-YYYY)
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	BP	x	2002/0012139		Willebrand, et al.	01-31-2002			
	BQ	x	2002/0051269		Margalit et al.	05-02-2002			
	BR	x	2002/0054411		Heminger et al.	05-09-2002			
	BS	x	2002/0054413		Shivnan, Aine	05-09-2002			
	BT	x	2002/0122230		Izadpanah, Hossein; et al.	09-05-2002			
	BU	x	2002/0122232		Doucet, et al.	09-05-2002			
	BV	x	2002/0141020		Doucet, et al.	10-03-2002			
	BW	x	2002/0149811		Willebrand	05-03-2005			
	BX	x	2002/0167697		Willebrand, Heinz	11-14-2002			
	BY	x	2002/0171896		Clark, Gerald R.; et al.	11-21-2002			

FOREIGN PATENT DOCUMENTS										
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	FOREIGN PATENT DOCUMENT			DATE OF PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	TRANSLATION	
			COUNTRY OR OFFICE (two-letter code)	DOCUMENT NO.	KIND CODE (if known)				YES	NO
	BZ		DE	4433896	C	09/11/1995			X	
	CA		EP	0 378 148	B1	04/10/1996			X	
	CB		EP	0 513 993	A2	11/19/1992			X	
	CC		WO	00/08783		02/17/2000			X	

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 4 of 6	Attorney Docket No.	70651/7293

FOREIGN PATENT DOCUMENTS										
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	FOREIGN PATENT DOCUMENT			DATE OF PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	TRANSLATION	
			COUNTRY OR OFFICE (two-letter code)	DOCUMENT NO.	KIND CODE (if known)				YES	NO
	CD		WO	01/52450	A2	07/19/2001			X	
	CE		GB	2 221 810	A	02/14/1990			X	
	CF		GB	2 257 321	A	01/06/1993			X	
	CG		WO	98/32250		07/23/1998			X	
	CH		JP	S63-215125		07/07/1988			X	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CI		A. Belmonte et al.; "Performance of a Multiple-Aperture Optical System"; Society of Photo-Optical Instrumentation Engineers, vol. 2699; 1996; pp. 316-326.
	CJ		C. M. Stickley et al.; Demonstration of an Adaptive, Coherent-Combining Laser Radar Receiver; 18 ^{sup} .th International Laser Radar Conference; 1996; pp. 247-250.
	CK		Graves, J. et al.; "Advancing Free-Space Optical Communications With Adaptive Optics"; Lightwave; Sep. 2002; pp. 105, 106 and 113.
	CL		Hungarian Patent Office, Search Report for Hungarian National Phase of PCT/US00/35198, which claims priority to U.S. App. 09/482,782; dated Jan. 15, 2003; pp. 1-3.
	CM		I. I. Kim et al.; Scintillation Reduction Using Multiple Transmitters; Society of Photo-Optical Instrumentation Engineers, vol. 2990; 1997; pp. 102-113.
	CN		J. Shamir et al.; "Diversity Methods for Fading Control"; Applied Optics; vol. 27, No. 8; Apr. 15, 1988; pp. 1389-1391.
	CO		K. H. Kudielka et al.; "Experimental Verification of an Adaptive Optical Multi-Aperature Receive Antenna for Laser Space Communications"; Society of Photo-Optical Instrumentation Engineers, vol. 2123; 1994; pp. 478-486.
	CP		K. Kimura et al.; "Global Satellite Communication Network using Double-Layered Inclined Orbit Constellation with Optical Inter-Satellite Links"; ATR Optical and Radio Communications Research Laboratories, Kyoto, Japan; SPIE; vol. 2699; 1996; pp. 12-23.

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 5 of 6	Attorney Docket No.	70651/7293

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CQ		K. Kimura et al.; "Satellite Constellation of Low Earth Orbit (LEO) Satellite Global Communication Network using Optical Inter-Satellite Links"; ATR Optical and Radio Communications Research Laboratories, Kyoto, Japan; SPIE; vol. 2381; 1995; pp. 48-59.
	CR		Korevaar, et al., Status of BMDO-IST Lasercom Advanced Technology Demonstration, SPIE-The International Society for Optical Engineering, pgs. 96-107, vol. 2123, Society of Photo-Optical Instrumentation Engineers, Washington, USA.
	CS		Korevaar, et al., Status of SDIO/IS&T Lasercom Testbed Program, SPIE-The International Society for Optical Engineering, Jan. 20-21, 1993, pgs. 116-127, vol. 1866, Society of Photo-Optical Instrumentation Engineers, Washington, USA.
	CT		KUBE; "Renaissance Eines Alten Konzepts"; Nachrichten Elektronik und Telematik; Vol. 49; No. 5; May 1995; pp. 15, 16 and 18. (English translation provided.)
	CU		Lightpointe Communications, Inc.; "Complex Networking Connectivity Example: Allianz Insurance"; p. 1; (1995).
	CV		NASA Jet Propulsion Laboratory; "Multiple-Beam Transmission for Optical Communication"; http://www.nasatech.com/Briefs/Nov98/NPO20384.html ; Oct. 26, 2001; pp.1-2.
	CW		"OPTICAL LINKS: Network Connection Directly Through the Atmosphere"; Communication by Light (CBL); Mar. 1995; 8 pages.
	CX		PCT International Search Authority; "Notification of Transmittal of the International Search Report"; "PCT International Search Report" for International Application No. PCT/US02/10075 which claims priority to U.S. Application No. 09/835,866; mailed Jul. 30, 2002; (4 pages).
	CY		PCT International Search Authority; "Notification of Transmittal of the International Search Report"; "PCT International Search Report" for International Application No. PCT/US00/35198 which corresponds to U.S. Application No. 09/482,782; mailed Feb. 6, 2002; (7 pages).
	CZ		PCT International Preliminary Examining Authority; "Notification of Transmittal of the International Preliminary Examination Report"; "PCT International Preliminary Examination Report" for International Application No. PCT/US00/35198 which corresponds to U.S. Application No. 09/482/782; mailed Apr. 29, 2002; (13 pages).
	DA		PCT International Search Authority; "Notification of Transmittal of the International Search Report" and "International Search Report" for International Application No. PCT/US01/14547 which corresponds to U.S. Appl. No. 09/849,613; mailed Apr. 3, 2003; (7 pages).
	DB		PCT International Preliminary Examining Authority; "Notification of Transmittal of the International Preliminary Examination Report"; "PCT International Preliminary Examination Report" for International Application No. PCT/US01/14547 which corresponds to U.S. Appl. No. 09/849,613; mailed Dec. 5, 2003; (6 pages).

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Application No.	09/864,093
	Filing Date	May 21, 2001
	First Named Inventor	Clark
	Group Art Unit	2633
	Examiner Name	Hanh Phan
Sheet 6 of 6	Attorney Docket No.	70651/7293

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	DC		PCT International Bureau; "PCT International Search Report" for International Application No. PCT/US02/13473 which corresponds to U.S. Application No. 09/834,093; mailed Jul. 10, 2002; (1 page).
	DD		P.S. Guilfoyle et al.; "Free-Space Interconnects for High-Performance Optoelectronic Switching"; Computer; IEEE; Feb. 1998; pp. 66-75.
	DE		Schuster, et al., Optomechanical Design of STRV-2 Lasercom Transceiver Using Novel Azimuth/slant gimbal, SPIE--the International Society for Optical Engineering, Jan. 30-31, 1996, pp. 227-239, vol. 2699, Society of Photo-Optical Instrumentation Engineers, Washington, USA.
	DF		S. Hollung et al.; A Bi-Directional Quasi-Optical Lens Amplifier; IEEE Transactions on Microwave Theory and Techniques; vol. 45, No. 12; Dec. 1997; pp. 2352-2357.
	DG		Teleconnect GmbH; "Installation Mittweida 1993" (digitized photograph copies); 1993; pp. 1-2.
	DH		Teleconnect GmbH; "Optische Freiraum-Übertragungssysteme"; Teleconnect Verbindungen in die Zukunft; Produktinformation; Apr. 1995; pp. 1-16. (English translation provided.).
	DI		TURINSKY; "Kabellose Übertragung von Digital-Audio- und Videosignalen"; Praxis; RFE; March 1994; pp. 33-34. (English translation provided.)
	DJ		Wilson, et al., Preliminary Results of the Ground/Orbiter Lasercomm Demonstration Experiment Between Table Mountain and the ETS-VI Satellite, SPIE--the International Society for Optical Engineering, Jan. 30-31, 1996, pgs. 121-132, vol. 2699, Society of Photo-Optical Instrumentation Engineers, Washington, USA.

Examiner Signature		Date Considered	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			